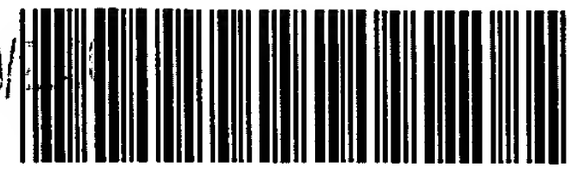

RAW SEQUENCE LISTING DATE: 09/12/2003
PATENT APPLICATION: **US/09/840,243C** TIME: 14:21:12

Input Set : **A:\510CON_US_Seq_List.txt**
Output Set: **N:\CRF4\09122003\I840243C.raw**

<110> APPLICANT: Masternak, Krzyztof
Reith, Walter
Mach, Bernard
<120> TITLE OF INVENTION: NEW TRANSCRIPTION FACTOR OF MHC CLASS II GENES, SUBSTANCES CAPABLE OF INHIBITING THIS NEW TRANSCRIPTION FACTOR AND MEDICAL USES OF THESE SUBSTANCES
<130> FILE REFERENCE: 23135-510 CON
<140> CURRENT APPLICATION NUMBER: 09/840,243C
<141> CURRENT FILING DATE: 2001-04-24
<150> PRIOR APPLICATION NUMBER: EP 98120085.0
<151> PRIOR FILING DATE: 1998-10-24
<160> NUMBER OF SEQ ID NOS: 24
<170> SOFTWARE: PatentIn Ver. 2.1
<210> SEQ ID NO: 1
<211> LENGTH: 40
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer
<400> SEQUENCE: 1
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<210> SEQ ID NO: 2
<211> LENGTH: 31
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer
<400> SEQUENCE: 2
ttcgaattct cgagtgtctg agtccccggc a 31
<210> SEQ ID NO: 3
<211> LENGTH: 37
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer
<400> SEQUENCE: 3
ccgtacgcgt ctagaccatg gagcccactc aggttgc 37
<210> SEQ ID NO: 4
<211> LENGTH: 32
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer

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RAW SEQUENCE LISTING DATE: 09/12/2003
PATENT APPLICATION: **US/09/840,243C** TIME: 14:21:12

Input Set : **A:\510CON_US_Seq_List.txt**
Output Set: **N:\CRF4\09122003\I840243C.raw**

67 <400> SEQUENCE: 4
68 ttcgaattct cgagtgcctg ggttccagca gg 32
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 30
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
79 <400> SEQUENCE: 5
80 ccagctctag actccaccac tctcaccaac 30
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 30
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
91 <400> SEQUENCE: 6
92 ccttcgaatt ctcgctcttt tgccaggatg 30
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 30
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
103 <400> SEQUENCE: 7
104 ggttctctag attggcagca ctggggatag 30
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 30
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
115 <400> SEQUENCE: 8
116 gctacgaatt ccagcagaca cagccaaaac 30
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 69
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
127 <400> SEQUENCE: 9
128 ccgtacgcgt ctagaatgga ttacaaagac gatgacgata agatggagct tacccagcct 60
130 gcagaagac 69
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 1345
135 <212> TYPE: DNA
136 <213> ORGANISM: Homo sapiens
138 <220> FEATURE:
139 <221> NAME/KEY: CDS

RAW SEQUENCE LISTING DATE: 09/12/2003
PATENT APPLICATION: **US/09/840,243C** TIME: 14:21:12

Input Set : **A:\510CON_US_Seq_List.txt**
Output Set: **N:\CRF4\09122003\I840243C.raw**

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143 acgcagggaa ggaggcacac ccgggggtgg cgcagtgagg agggggcgcg acggccagga 60
145 ggctggtgga gcgacaccca ggcaggagag ggggaagaac tctctccctt tctgaacccc 120
147 cttttccttg agagacgagt tgggggagtc ctccacgcat tacccactcg ggccgcaaaa 180
149 actcccttct ttagccctct gcccccgccc ttgcttataa gcctttgaga ccgcagaagg 240
151 gaccttgttg tggaacggga cggccaagag gaagccagat cgctgagggt ccggtctcca 300
153 gtttgcctcc tgctatatcc attggaagag aaaagtttgt gacttgggcc cccaagtttt 360
155 gagagaactg ggctttcggc gcgggggggac agaggaggct cgtggggagc tttcccc    417
157 atg gag ctt acc cag cct gca gaa gac ctc atc cag acc cag cag acc    465
158 Met Glu Leu Thr Gln Pro Ala Glu Asp Leu Ile Gln Thr Gln Gln Thr
159   1               5                  10                  15
161 cct gcc tca gaa ctt ggg gac cct gaa gac ccc gga gag gag gct gca    513
162 Pro Ala Ser Glu Leu Gly Asp Pro Glu Asp Pro Gly Glu Glu Ala Ala
163             20                  25                  30
165 gat ggc tca gac act gtg gtc ctc agt ctc ttt ccc tgc acc cct gag    561
166 Asp Gly Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Glu
167         35                  40                  45
169 cct gtg aat cct gaa ccg gat gcc agt gtt tcc tct cca cag gca ggc    609
170 Pro Val Asn Pro Glu Pro Asp Ala Ser Val Ser Ser Pro Gln Ala Gly
171     50                  55                  60
173 agc tcc ctg aag cac tcc acc act ctc acc aac cgg cag cga ggg aac    657
174 Ser Ser Leu Lys His Ser Thr Thr Leu Thr Asn Arg Gln Arg Gly Asn
175  65                  70                  75                  80
177 gag gtg tca gct ctg ccg gcc acc cta gac tcc ctg tcc atc cac cag    705
178 Glu Val Ser Ala Leu Pro Ala Thr Leu Asp Ser Leu Ser Ile His Gln
179                 85                  90                  95
181 ctc gca gca cag ggg gag ctg gac cag ctg aag gag cat ttg cgg aaa    753
182 Leu Ala Ala Gln Gly Glu Leu Asp Gln Leu Lys Glu His Leu Arg Lys
183             100                 105                 110
185 ggt gac aac ctc gtc aac aag cca gac gag cgc ggc ttc acc ccc ctc    801
186 Gly Asp Asn Leu Val Asn Lys Pro Asp Glu Arg Gly Phe Thr Pro Leu
187         115                 120                 125
189 atc tgg gcc tcc gcc ttt gga gag att gag acc gtt cgc ttc ctg ctg    849
190 Ile Trp Ala Ser Ala Phe Gly Glu Ile Glu Thr Val Arg Phe Leu Leu
191     130                 135                 140
193 gag tgg ggt gcc gac ccc cac atc ctg gca aaa gag cga gag agc gcc    897
194 Glu Trp Gly Ala Asp Pro His Ile Leu Ala Lys Glu Arg Glu Ser Ala
195 145                 150                 155                 160
197 ctg tcg ctg gcc agc aca ggc ggc tac aca gac att gtg ggg ctg ctg    945
198 Leu Ser Leu Ala Ser Thr Gly Gly Tyr Thr Asp Ile Val Gly Leu Leu
199                 165                 170                 175
201 ctg gag cgt gac gtg gac atc aac atc tat gat tgg aat gga ggg acg    993
202 Leu Glu Arg Asp Val Asp Ile Asn Ile Tyr Asp Trp Asn Gly Gly Thr
203             180                 185                 190
205 cca ctg ctg tac gct gtg cgc ggg aac cac gtg aaa tgc gtt gag gcc   1041
206 Pro Leu Leu Tyr Ala Val Arg Gly Asn His Val Lys Cys Val Glu Ala
207         195                 200                 205
209 ttg ctg gcc cga ggc gct gac ctc acc acc gaa gcc gac tct ggc tac   1089
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RAW SEQUENCE LISTING DATE: 09/12/2003
PATENT APPLICATION: **US/09/840,243C** TIME: 14:21:12

Input Set : **A:\510CON_US_Seq_List.txt**
Output Set: **N:\CRF4\09122003\I840243C.raw**

```
210 Leu Leu Ala Arg Gly Ala Asp Leu Thr Thr Glu Ala Asp Ser Gly Tyr
211     210                 215                 220
213 acc ccg atg gac ctt gcc gtg gcc ctg gga tac cgg aaa gtg caa cag   1137
214 Thr Pro Met Asp Leu Ala Val Ala Leu Gly Tyr Arg Lys Val Gln Gln
215 225                 230                 235                 240
217 gtg atc gag aac cac atc ctc aag ctc ttc cag agc aac ctg gtg ccc   1185
218 Val Ile Glu Asn His Ile Leu Lys Leu Phe Gln Ser Asn Leu Val Pro
219                 245                 250                 255
221 gct gac cct gag tga aggccgcctg ccggggactc agacactcag ggaacaaaat   1240
222 Ala Asp Pro Glu
223             260
225 ggtcagccag agctggggaa acccagaact gacttcaaag gcagcttctg gacaggtggt 1300
227 gggaggggac ccttcccaag aggaaccaat aaaccttctg tgcag                 1345
230 <210> SEQ ID NO: 11
231 <211> LENGTH: 260
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 11
236 Met Glu Leu Thr Gln Pro Ala Glu Asp Leu Ile Gln Thr Gln Gln Thr
237   1               5                  10                  15
239 Pro Ala Ser Glu Leu Gly Asp Pro Glu Asp Pro Gly Glu Glu Ala Ala
240             20                  25                  30
242 Asp Gly Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Glu
243         35                  40                  45
245 Pro Val Asn Pro Glu Pro Asp Ala Ser Val Ser Ser Pro Gln Ala Gly
246     50                  55                  60
248 Ser Ser Leu Lys His Ser Thr Thr Leu Thr Asn Arg Gln Arg Gly Asn
249  65                  70                  75                  80
251 Glu Val Ser Ala Leu Pro Ala Thr Leu Asp Ser Leu Ser Ile His Gln
252                 85                  90                  95
254 Leu Ala Ala Gln Gly Glu Leu Asp Gln Leu Lys Glu His Leu Arg Lys
255             100                 105                 110
257 Gly Asp Asn Leu Val Asn Lys Pro Asp Glu Arg Gly Phe Thr Pro Leu
258         115                 120                 125
260 Ile Trp Ala Ser Ala Phe Gly Glu Ile Glu Thr Val Arg Phe Leu Leu
261     130                 135                 140
263 Glu Trp Gly Ala Asp Pro His Ile Leu Ala Lys Glu Arg Glu Ser Ala
264 145                 150                 155                 160
266 Leu Ser Leu Ala Ser Thr Gly Gly Tyr Thr Asp Ile Val Gly Leu Leu
267                 165                 170                 175
269 Leu Glu Arg Asp Val Asp Ile Asn Ile Tyr Asp Trp Asn Gly Gly Thr
270             180                 185                 190
272 Pro Leu Leu Tyr Ala Val Arg Gly Asn His Val Lys Cys Val Glu Ala
273         195                 200                 205
275 Leu Leu Ala Arg Gly Ala Asp Leu Thr Thr Glu Ala Asp Ser Gly Tyr
276     210                 215                 220
278 Thr Pro Met Asp Leu Ala Val Ala Leu Gly Tyr Arg Lys Val Gln Gln
279 225                 230                 235                 240
281 Val Ile Glu Asn His Ile Leu Lys Leu Phe Gln Ser Asn Leu Val Pro
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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/840,243C**

DATE: 09/12/2003
TIME: 14:21:12

Input Set : **A:\510CON_US_Seq_List.txt**
Output Set: **N:\CRF4\09122003\I840243C.raw**

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282                 245                 250                 255
284 Ala Asp Pro Glu
285             260
294 <210> SEQ ID NO: 12
295 <211> LENGTH: 260
296 <212> TYPE: PRT
297 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 12
300 Met Glu Leu Thr Gln Pro Ala Glu Asp Leu Ile Gln Thr Gln Gln Thr
301   1               5                  10                  15
303 Pro Ala Ser Glu Leu Gly Asp Pro Glu Asp Pro Gly Glu Glu Ala Ala
304             20                  25                  30
306 Asp Gly Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Glu
307         35                  40                  45
309 Pro Val Asn Pro Glu Pro Asp Ala Ser Val Ser Ser Pro Gln Ala Gly
310     50                  55                  60
312 Ser Ser Leu Lys His Ser Thr Thr Leu Thr Asn Arg Gln Arg Gly Asn
313 65                  70                  75                  80
315 Glu Val Ser Ala Leu Pro Ala Thr Leu Asp Ser Leu Ser Ile His Gln
316                 85                  90                  95
318 Leu Ala Ala Gln Gly Glu Leu Asp Gln Leu Lys Glu His Leu Arg Lys
319             100                 105                 110
321 Gly Asp Asn Leu Val Asn Lys Pro Asp Glu Arg Gly Phe Thr Pro Leu
322         115                 120                 125
324 Ile Trp Ala Ser Ala Phe Gly Glu Ile Glu Thr Val Arg Phe Leu Leu
325     130                 135                 140
327 Glu Trp Gly Ala Asp Pro His Ile Leu Ala Lys Glu Arg Glu Ser Ala
328 145                 150                 155                 160
330 Leu Ser Leu Ala Ser Thr Gly Gly Tyr Thr Asp Ile Val Gly Leu Leu
331                 165                 170                 175
333 Leu Glu Arg Asp Val Asp Ile Asn Ile Tyr Asp Trp Asn Gly Gly Thr
334             180                 185                 190
336 Pro Leu Leu Tyr Ala Val Arg Gly Asn His Val Lys Cys Val Glu Ala
337         195                 200                 205
339 Leu Leu Ala Arg Gly Ala Asp Leu Thr Thr Glu Ala Asp Ser Gly Tyr
340     210                 215                 220
342 Thr Pro Met Asp Leu Ala Val Ala Leu Gly Tyr Arg Lys Val Gln Gln
343 225                 230                 235                 240
345 Val Ile Glu Asn His Ile Leu Lys Leu Phe Gln Ser Asn Leu Val Pro
346                 245                 250                 255
348 Ala Asp Pro Glu
349             260
352 <210> SEQ ID NO: 13
353 <211> LENGTH: 269
354 <212> TYPE: PRT
355 <213> ORGANISM: Murinae gen. sp.
357 <400> SEQUENCE: 13
358 Met Glu Pro Thr Gln Val Ala Glu Asn Leu Val Pro Asn Gln Gln Pro
359   1               5                  10                  15
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/12/2003
PATENT APPLICATION: **US/09/840,243C** TIME: 14:21:13

Input Set : **A:\510CON_US_Seq_List.txt**
Output Set: **N:\CRF4\09122003\I840243C.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; Xaa Pos. 31,148,159